



Delivering Wi-Fi WAN

FOR MOBILE BROADBAND

..... CARRIER CLASS Wi-Fi

AT&T Quotes

“Mobile data traffic has grown 8000% over the last 4 years”

“By 2015, netbooks, tablets, cloud computing and a new generation of bandwidth hungry devices will increase demand an additional 8-10 times”

Qualcomm Quotes

“The ever growing consumption of data by mobile devices has put a strain on mobile networks”

“Wi-Fi offload is emerging as an attractive option for network providers”

Vivato Technologies' Carrier Class Access Points provide "cellular like" coverage, lowering the costs to deploy and operate Wi-Fi networks for mobile broadband.

Vivato Technologies

- ✓ Vivato = \$100M in venture backed development of extended range Wi-Fi Access Points
- ✓ Vivato Access Points are deployed in 300+ sites worldwide
- ✓ Vivato Technologies acquired Vivato and its Intellectual Property (12+patents) to leverage the technology into the mobile broadband market
- ✓ Vivato's technology and patents represent a barrier to entry premise for the rollout of next generation Wi-Fi WANS



Vivato Wi-Fi Access Points

Phased Array Antenna

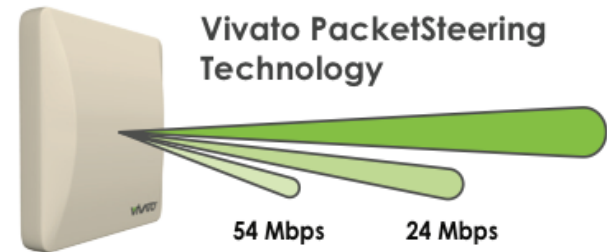
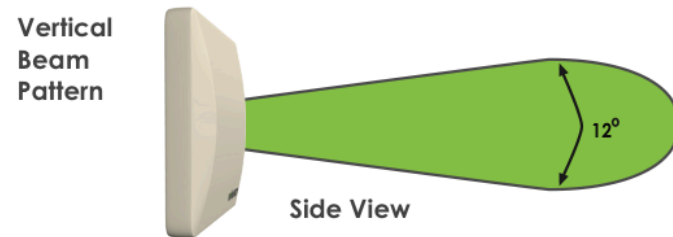
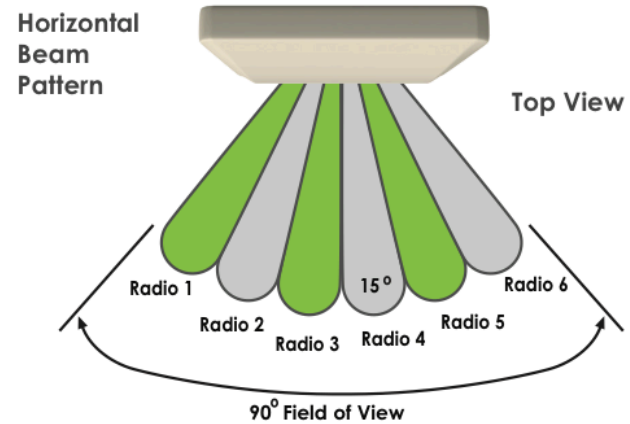
- 8x8 Element Antenna
- Multi (6) Radio Reception
- Transmit Stronger***

Patented Electronic “Lens”

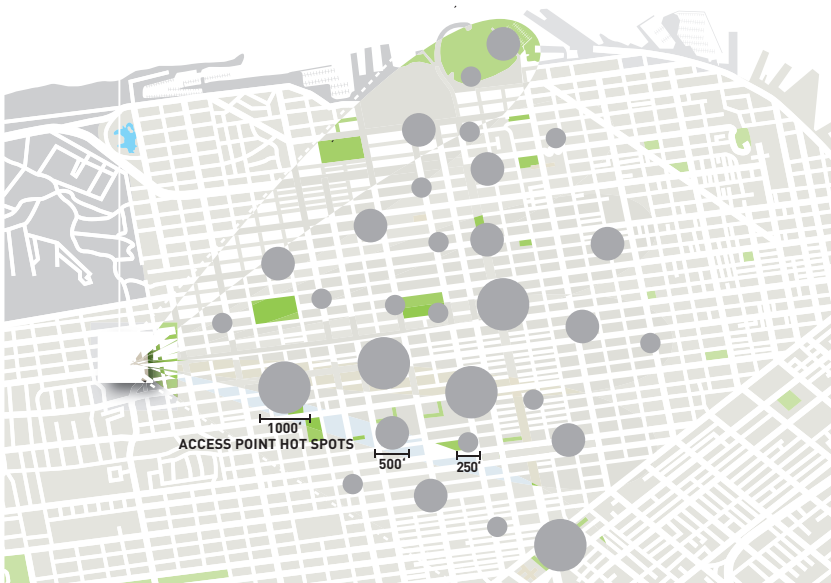
- Noise Floor Mitigation
- Multi (6) Radio Reception
- Listen Louder***

Packet Steering™

- Point to Point Data Delivery
- Secure High Bandwidth Connection***



Traditional Wi-Fi Deployment Model



- Limited Range (feet)
- More Access Points (Ad-hoc)
- Less Users (10-100 per AP)
- Increased Noise Floor Issues
- High CAPEX/OPEX

Vivato Carrier Class Wi-Fi



- Extended Range (Miles)
- Less Access Points (Managed)
- More Users (1500 per AP)
- Reduced Noise Floor Issues
- Low CAPEX/OPEX



Enable Wi-Fi WAN Providers

Mobile Carriers

Cell Site Collocation
Overlay Cellular Coverage



Cable Broadband Providers

Leverage Hybrid Fiber/Coax Infrastructure
DOCSIS to Wi-Fi Access Points



Private Network Providers

Leveraged Wired, Wireless or Satellite Backhaul
Local, Regional and National Broadband Access





Easy National Mobile Broadband

Vivato Access Points enable a new generation of rapidly deployable Wi-Fi networks to support mobile broadband

Vivato Access Points can be collocated at over 253,000 cell sites

A national proprietary Wi-Fi network covering 33,000 Sq Mi deployed at 6545 known sites would cost: \$405M (& could be up in months). Whose network will it be first?



CARRIER CLASS Wi-Fi



A proprietary Wireless Broadband Network

- To serve any number of mobile cloud and data requirements.***
- That can be co-located at known cell sites creating new revenue centers for tower operators.***
- That can provide carriers and service providers with broadband data in an unlicensed spectrum at a fraction of the cost to deploy and operate cellular***
- That can provide any company with true autonomy from carriers and service providers, allowing them to establish regional and national Wi-Fi networks at a game changing price and ease of deployment.***